Certificate of Blockchain Timestamp Verification

Strain Name: Donnie Burger

Sample Name: DBg2-Rt-Fl_20240925

Registrant: Zamir Punja

Stamped FileName: RSP13219_blockchain.vcf.gz

Stamped File SHA-256 Hash: `a1555d37c27a3c3d26a92d21b5de9f550067c86b5ea22658358aa3586e6eb560`

OTS File: RSP13219_blockchain.vcf.gz.ots

OTS SHA-256 Hash: `4ab40c727326daac7a9bf53b54f9d35bf74c54daf3ac9b5631b563ca256f5398`

Block	Date	Transaction ID	Merkle Root	Verified	QR
869016	2024-11-05	00000000...99e232ba	f397da76...720777b1	✔	
869033	2024-11-05	00000000...7cf75dd7	b556659c...c3d84c89	✔	
869111	2024-11-06	00000000...f6651c41	63d89f62...8679b896	✔	

Success! Your file is blockchain-stamped

2024-11-06 11:58:39 UTC

VALIDATED

OTS File Hex Contents (copy/paste friendly)

```
004f70656e54696d657374616d7073000050726f6f6600bf89e2e884e892940108a1555d37c27a3c3d26a92d21b5de9f550067c86b5ea22658358aa3586e6eb560f01084e73a5f0d844a601dfe3e6df39ff4bb08fff01027e08eda2da0094fe05e1e84eba6398b08f1
04672a6d41f008c664387d83a202aa0083dfe30d2ef90c8e2c2b68747470733a2f2f626f622e6274632e63616c656e6461722e6f70656e74696d657374616d70732e6f7267fff0104ea249bc1ab224cd27981ee7aec6e16108f020cc51df24b84d3fd1da9134c4aa40
5b31051b8435c5c6ccc51bc8ef372b618d2708f104672a6d42f008bd9627743df35a580083dfe30d2ef90c8e232268747470733a2f2f6274632e63616c656e6461722e636174616c6c6178792e636f6dfff0107bba0938a02a4e26a475fa8afa17bee408f020f900ec
6d7cd474853ef2893b8330caaf7e24df91225268b7f1207200aad17f8708f020fe2417f3bba9bdbe1c57f489f213b2068221bb31d7fec45419a83184bd8a97fb08f104672a6d42f00856815559c73ee7890083dfe30d2ef90c8e2928687474707333a2f2f66696e6e65
792e63616c656e6461722e657465726e69747977616c6c2e636f6df010a2003e2a314a9269d0a986fd1dffc21908f0207847f8f7d9201041397e845cf109d8ec032a59b63e307b6fab847ba4848f16bc08f020fb97c547ff279b3bfbaef5e7b05edb7f7508ac63d59f
a569126b0923929bd5ae08f104672a6d42f008f8d4af8e11b84e7e0083dfe30d2ef90c8e2e2d68747470733a2f2f616c6963652e6274632e63616c656e6461722e6f70656e74696d657374616d70732e6f7267
```

What is this?

The OTS file detailed above can be downloaded with the provided link, but in the event that the OTS file is no longer available for download, it can be recreated using the above HEX textblock.

1. Copy/paste this into a text file, e.g., RSP13219_ots.hex

2. Convert this to an .ots file using a webserver:

https://tomeko.net/online_tools/hex_to_file.php

Alternatively, use the command line:

xxd -r -p RSP13219_ots.hex > RSP13219_blockchain.vcf.gz.ots

Example: Successfully Validated OpenTimestamps file

Using your stamped file and corresponding OTS file, validate at:

https://opentimestamps.org/#stamp-and-verify

This stamp verifies the file's existence at a specific point in time. Validation can be done independently of Medicinal Genomics® using open-source tools. The necessary OTS file to perform this validation can be recreated from this PDF. Medicinal Genomics® does not guarantee that the stamped file will be hosted on their servers indefinitely. Therefore, it is strongly recommended that owners download and securely retain their stamped files.

